

PURAFIL ENVIRONMENTAL CORROSION REPORT

Company: 116107

28-Oct-2010

Sales Order #: C002697
 CCC Panel #: P67934
 Date In: 20-Sep-2010
 Date Out: 05-Oct-2010
 Days In Service: 15

Room Area ID:
 Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company: 116107	
Address:	
Room/Area I.D.:	
Date In: 9/20/10	Time In: 11:30 a.m.
Date Out: 10/5/10	Time Out: 1:55 p.m.
Coupon #: 67934	Tracking #: 02697
Serial #:	
<input type="checkbox"/> Industrial <input type="checkbox"/> ERM <input type="checkbox"/> Preservation <input type="checkbox"/> CIP	

PURAFIL
First, it's clean™

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 Fax: (770) 263-6922 • www.purafil.com

CCC Panel # P67934

ISA Class G2
Moderate

Copper Corrosion
354 Å/30 Days

Silver Corrosion
1564 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67934

The electrolytic reduction analysis on Corrosion Classification Coupon #P67934 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:
 Environmental Health and Eng
 117 Fourth Avenue, Needham MA 02494, USA
 tminegishi@eheinc.com

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PURAFIL CCC # P67934 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	230 Å	311 Å	406 Å	
Cu ₂ O	124 Å	167 Å	218 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	354 Å	478 Å	624 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	1564 Å	19040 Å	95202 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	1564 Å	19040 Å	95202 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)

